PTO/SB/21 (09-04)

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Application Number

O9/448,086 (Now U.S. Patent No. 7,276,081)

Filting Date

November 23, 1999 (Issued October 2, 2007)

First Named Inventor

Bradley J. Coates et al.

Art Unit

3738

Examiner Name

David J. Isabella

Attorney Docket Number

MSDI-539/PC263.07

				Art Unit	3738				
(to be used for all correspondence after initial filing)			Examiner Name	David J. Is	David J. Isabella				
Total Number of Pages in This Submission			Attorney Docket Number	MSDI-539	MSDI-539/PC263.07				
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ENCLOSURES (Check all that apply)									
	Fee Attached Amendment/Reply After Final Affidavits/declaration(s) Extension of Time Request Express Abandonment Request		Drawing(s) Licensing-related Papers Petition Petition to Convert to a Provisional Application Power of Attorney, Revocation Change of Correspondence Address Terminal Disclaimer Request for Refund		After Allowance Communication to TC Appeal Communication to Board of Appeals and Interferences Appeal Communication to TC (Appeal Notice, Brief, Reply Brief) Proprietary Information Status Letter Other Enclosure(s) (please Identify below): Return Receipt Postcard; Request for Certificate of Correction Cover Letter; Certificate of Correction Form PTO/SB/44				
Information Disclosure Statement Certified Copy of Priority Document(s) Reply to Missing Parts/ Incomplete Application Reply to Missing Parts under 37 CFR 1.52 or 1.53			Landscape Table on CD Remarks TURE OF APPLICANT, ATTORNEY, OI			Certticate DEC 3 1 2007			
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Signature Printed name Douglas A. Collier									
Date December 19, 2007		Reg. No.			43,556	43,556			
CERTIFICATE OF TRANSMISSION/MAILING I hereby certify that this correspondence is being facsimile transmitted to the USPTO or deposited with the United States Postal Service with sufficient postage as first class main an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on the date shown below:									
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This collection of information is required by 37 CFR 1.5. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.11 and 1.14. This collection is estimated to 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re patent of:)	
Bradley J. Coates et al.)	
71.0 D)	
U.S. Patent No. 7,276,081)	
Issued: October 2, 2007)	
•)	Atty. Docket No.:
BONE GRAFTS)	MSDI-539/PC263.07
)	
)	December 19, 2007

REQUEST FOR CERTIFICATE OF CORRECTION OF OFFICE MISTAKE (37 C.F.R. § 1.322(a))

Commissioner for Patents
Office of Patent Publication
Attention: Certificates of Correction Branch
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

A Certificate of Correction is respectfully requested under 37 C.F.R. § 1.322(a) to correct certain errors of a clerical or typographical nature that appear in the patent as issued. The exact location where the errors occur and the necessary corrections are indicated on the attached copy of Form PTO/SB/44.

I hereby certify that a copy of this correspondence is being deposited with the United States Postal Service as first class mail in an envelope addressed to the Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1451 on December 19, 2007.

Douglas A. Collier
Name of Registered Representative
Signature

Dec. 19, 2027
Date of Signature

U.S. Patent No. 7,276,081 issued with 15 claims. However, as indicated in the Supplemental Notice of Allowance mailed August 14, 2007, claims 1-41 were allowed in the present application. A review of the issued claims 1-15 reveals that they correspond to allowed claims 20, 24, and 29-41. Allowed claims 1-19, 21-23 and 25-28 were not published with the issued patent.

Accordingly, the enclosed form PTO/SB/44 presents allowed claims 1-19, 21-23 and 25-28 as claims 16-41, respectively, in order to correct this patent. The errors as set out were made on the part of the USPTO. Entry of the claims in the enclosed Certificate of Correction is proper in view of the Supplemental Notice of Allowance mailed August 14, 2007, indicating the allowd claims 1-41. Therefore, no remittance fee is enclosed. However, should any fee by due, please charge the same to Deposit Account 12-2424.

It is noted for the record the original claim 15, numbered as claim 30 on the enclosed PTO/SB/44, included an error in the listing of claims submitted by the applicant on May 24, 2007. Specifically, the May 24, 2007 claim listing omitted 'defining a convexly curved anterior surface, an' from line 2 of claim 15 between the words 'wall' and 'posterior' and instead recited 'with' between 'wall' and 'posterior'. On the enclosed PTO/SB/44, claim 30 corresponds in wording to the original claim 15 as filed with the application and in the form in which it was allowed.

Please send the Certificate of Correction to Krieg DeVault LLP, One Indiana Square, Suite 2800, Indianapolis, Indiana 46204.

Respectfully submitted,

Douglas A. Collier, Reg. No. 43,556

Krieg DeVault, LLP

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UNITED STATES PATENT AND TRADEMARK OFFICE CERTIFICATE OF CORRECTION

Page 1 of 4_

PATENT NO.

: 7.276.081

APPLICATION NO.: 09/448,086

ISSUE DATE

: October 2, 2007

INVENTOR(S)

Bradley J. Coates et al.

It is certified that an error appears or errors appear in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

After claim 15, please insert the following:

16. A spinal spacer for engagement between vertebrae, comprising:

a body formed of a bone composition and including a first end, an opposite second end, a superior face defining a superior vertebral engaging surface and an inferior face defining an inferior vertebral engaging surface: and

at least one of said vertebral engaging surfaces defining a first set of migration resistance grooves, each of said grooves including a first face defining an angle of no more than about 90 degrees relative to said engaging surface and a second opposing sloped face, said first and second faces defining a pocket therebetween for trapping vertebral bone.

- 17. The spacer of claim 16 wherein said grooves of said first set are arranged in series.
- 18. The spacer of claim 17 wherein each of said sloped faces is sloped toward said first end.
- 19. The spacer of claim 16 wherein said at least one of said engaging surfaces defines a peak between each of said grooves, said peak defining a flattened surface.
- 20. The spacer of claim 18 wherein said first set is defined in a first portion of said one of said engaging surfaces and further comprising a second set of migration resistance grooves defined in series in a second portion of one of said vertebral engaging surfaces, each of said grooves of said second set including a first face defining an angle of no more than about 90 degrees relative to said engaging surface and a second opposing sloped face, said first and second faces of each of said groove of said second set defining a pocket therebetween for trapping vertebral bone, each of said sloped faces of said second set sloping towards said second end.
- 21. The spacer of claim 20 wherein each of said grooves has a depth below said at least one of said vertebral engaging surfaces and said grooves of said first set are deeper than said grooves of said second set.

MAILING ADDRESS OF SENDER (Please do not use customer number below):

Krieg DeVault LLP One Indiana Square, Suite 2800 Indianapolis, IN 46204-2079

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UNITED STATES PATENT AND TRADEMARK OFFICE CERTIFICATE OF CORRECTION

Page __2__ of __4

PATENT NO.

: 7,276,081

APPLICATION NO.: 09/448,086

ISSUE DATE

: October 2, 2007

INVENTOR(S)

Bradley J. Coates et al.

It is certified that an error appears or errors appear in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

- 22. The spacer of claim 20 wherein each of said grooves has a depth below said at least one of said vertebral engaging surfaces and said grooves of said second set are deeper than said grooves of said first set.
- 23. The spacer of claim 16 wherein said pocket is substantially arcuate.
- 24. The spacer of claim 16 wherein said first face is perpendicular to said engaging surface.
- 25. The spacer of claim 16 further comprising a cutting edge between said first face and said engaging surface.
- 26. The spacer of claim 19 wherein said first face has a first height between said pocket and said engaging surface which is taller than a second height of said second face and said peak is sloped.
- 27. The spacer of claim 16 wherein said superior face defines a first opening and said inferior face defines a second opening, each of said openings in communication with a chamber formed through said body.
- 28. The spacer of claim 27 wherein said first end defines a convexly curved surface.
- 29. The spacer of claim 28 wherein said second end is flat.

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UNITED STATES PATENT AND TRADEMARK OFFICE CERTIFICATE OF CORRECTION

Page 3 of 4

PATENT NO.

: 7,276,081

APPLICATION NO.: 09/448,086

ISSUE DATE

: October 2, 2007

INVENTOR(S)

Bradley J. Coates et al.

It is certified that an error appears or errors appear in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

30. A hollow spinal spacer for engagement between vertebrae, comprising:

a body formed of bone composition and including an anterior wall defining a convexly curved anterior surface, an opposite posterior wall defining a flat posterior surface, two lateral walls, each integrally connected between said opposite ends of said anterior and posterior walls to define a chamber, said walls further defining a superior vertebral engaging surface defining a first opening, said first opening in communication with said chamber, and an inferior vertebral engaging surface defining a second opening, said second opening in communication with said chamber; and

at least one of said vertebral engaging faces defining a set of migration resistance grooves, each of said grooves including a first face defining an angle of no more than about 90 degrees relative to said one of said engaging surface and a second opposing sloped face, said first and second faces defining a pocket therebetween for trapping vertebral bone, said grooves in series with said sloped faces sloping towards said anterior wall.

- 31. The spacer of claim 16 wherein the bone composition comprises cortical bone.
- 32. The spacer of claim 16 comprising an osteoinductive material.
- 33. The spacer of claim 27 wherein the chamber is formed from a medullary canal.
- 34. The spacer of claim 16 comprising a cross-sectional slice of a long bone.
- 35. The graft of claim 1 wherein the posterior wall portion is substantially planar.
- 36. The graft of claim 1 comprising a first and an opposite second lateral wall portions extending substantially perpendicular from the anterior wall portion.
- 37. The graft of claim 1 wherein the first set of migration resistant surface features are arranged in series.

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Page 4 of 4

PATENT NO.

: 7,276,081

APPLICATION NO.: 09/448,086

ISSUE DATE

: October 2, 2007

INVENTOR(S)

Bradley J. Coates et al.

It is certified that an error appears or errors appear in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

- 38. The graft of claim 1 wherein the wall defines an interior chamber formed from a medullary canal.
- 39. The graft of claim 38 wherein the bone engaging superior surface defines a first opening and the inferior bone engaging surface defines a second opening, wherein each of the first and second openings are in communication with the chamber.
- 40. The graft of claim 1 comprising an osteoinductive material.
- 41. The graft of claim 1 comprising cancellous bone material.

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